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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,294	08/22/2003	Bjarne Due Larsen	50412/021002	9323
21559 75	590 03/24/2006		EXAMINER	
CLARK & ELBING LLP			TELLER, ROY R	
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			1654	

DATE MAILED: 03/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

1,	Application No.	Applicant(s)	
· · · · · · · · · · · · · · · · · · ·	10/646,294	LARSEN, BJARNE DUE	
Office Action Summary	Examiner	Art Unit	
	Roy Teller	1654	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on <u>22 At</u> 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 1-8,15,18,23-27,36,52-64 and 90-92 is 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-8,15,18,23-27,36,52-64 and 90-92 an	vn from consideration. are subject to restriction and/or e		
Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the order to by the Extended to be a supplication to the order to be a supplication to be a suppli	drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05)

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 2-3, drawn to preparation of a medicament for a treatment of arrhythmia, classified in class 514, subclass 2.
- II. Claim 4, drawn to preparation of a medicament for a treatment of slowed conduction in the heart, classified in class 514, subclass 2.
- III. Claim 5, drawn to preparation of a medicament for improvement of contractility of the heart, classified in class 514, subclass 2.
- IV. Claim 6, drawn to preparation of a medicament for a treatment of disease states associated with impaired GJIC during metabolic stress, classified in class 514, subclass 2.
- V. Claim 7, drawn to the preparation of a medicament for antithrombotic treatment, classified in class 514, subclass 2.
- VI. Claim 8, drawn to the preparation of a medicament for the treatment of osteoporosis, classified in class 514, subclass 2.
- VII. Claim 15, drawn to preparation of a medicament for a treatment of hypertension, classified in class 514, subclass 2.

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VIII. Claim 18, drawn to preparation of a medicament for a treatment of deafness, classified in class 514, subclass 2.

- IX. Claim 23, drawn to preparation of a medicament for improving glucose tolerance in a subject, classified in class 514, subclass 2.
- X. Claims 24-25, drawn to a method of treatment of arrthythmia comprising administering a compound, classified in class 514, subclass 2.
- XI. Claim 26, drawn to a method of increasing the GJIC of cells comprising administering a compound, classified in class 514, subclass 2.
- XII. Claim 27, drawn to a method of antithrombotic treatment comprising administering a compound, classified in class 514, subclass 2.
- XIII. Claim 36, drawn to a method of treating hypertension comprising administering a compound, classified in class 514, subclass 2.
- XIV. Claims 52-59, and 62-64, drawn to a method of treating a non-proliferative disease, classified in class 514, subclass 2.
- XV. Claims 60-64, drawn to a method of treating a disease characterized by decreased GJIC in diseased tissue, classified in class 514, subclass 2.
- XVI. Claims 90-92, drawn to a pharmaceutical composition, classified in class 514, subclass 2.

The inventions are distinct each from the other because of the following reasons:

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Claim 1 link(s) inventions I-IX. The restriction requirement among the linked inventions is subject to the nonallowance of the linking claim(s), claim 1. Upon the indication of allowability of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise requiring all the limitations of the allowable linking claim(s) will be rejoined and fully examined for patentability in accordance with 37 CFR 1.104 Claims that require all the limitations of an allowable linking claim will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

Applicant(s) are advised that if any claim(s) including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. In re Ziegler, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Inventions in groups I-IX are directed to related processes. The related inventions are distinct if the inventions as claimed do not overlap in scope, i.e., are mutually exclusive; the inventions as claimed are not obvious variants; and the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect. See MPEP § 806.05(j). In the instant case, the methods are related, but medicaments would need to be different forms, dosage, etc. for each disease.

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Inventions in groups X-XV are directed to related processes. The related inventions are distinct if the inventions as claimed do not overlap in scope, i.e., are mutually exclusive; the inventions as claimed are not obvious variants; and the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect. See MPEP § 806.05(j). In the instant case, the methods are related, but medicaments would need to be different forms, dosage, etc. for each disease.

Inventions of group XVI and groups I-XV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product. See MPEP § 806.05(h). In the instant case the process of use can be practiced with another materially different product, i.e., can treatment diseases with different medicaments.

No matter which group is elected, a further election of species is required.

This application contains claims directed to the following patentably distinct species of the claimed invention:

Select **one** formula/compound from formulas I-VIII, 2-12, compounds of tables 1 and 8. All are patentably distinct due to the different structures of each. Each species would require a different structure search.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally

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held to be allowable. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is found allowable, an otherwise proper restriction

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requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of In re Ochiai, In re Brouwer and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product claims or to otherwise include the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Because these inventions are distinct for the reasons given above and since they have acquired a separate status in the art as shown by their different classification and/or divergent subject matter, and/or are separately and independently searched, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirements be traversed (37 CFR 1.143).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, even though this requirement is traversed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy Teller whose telephone number is 571-272-0971. The examiner can normally be reached on Monday-Friday from 5:30 am to 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campell, can be reached on 571-272-0974. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RT 1654 3/20/06

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